

Petar Tešić

email: posteru.ole@gmail.com

Linkedin: Petar Tešić * GitHub: PosteruOle

Work experience

Software Engineer at Microsoft <i>Azure Compute Node Service Team - full time</i>	<i>Apr 2025 - Present</i> <i>Belgrade, Serbia</i>
Software Engineer at CISCO <i>System Integration Platform Team - full time</i>	<i>May 2024 - Mar 2025</i> <i>Belgrade, Serbia</i>
Software Engineer at SYRMIA <i>System Software Team - full time</i>	<i>Nov 2023 - Apr 2024</i> <i>Belgrade, Serbia</i>
Software Engineer at SYRMIA <i>System Software Team - part time</i>	<i>Apr 2023 - Oct 2023</i> <i>Belgrade, Serbia</i>
Software Engineer Intern at FIS <i>C# team - full time</i>	<i>Nov 2022 - Jan 2023</i> <i>Belgrade, Serbia</i>
Teaching Associate at the Faculty of Mathematics <i>Department of Computer Science - part time</i> <i>Courses: Programming 2 (1st grade), Translation of Programming Languages (3rd grade), Introduction to Relational Databases, Computer Networks, Database programming (4th grade)</i>	<i>Oct 2022 - Sep 2024</i> <i>Belgrade, Serbia</i>

Education

Faculty of Mathematics <i>Doctor of Philosophy - PhD degree in Informatics</i> <i>Some of chosen majors: Advanced Topics in Computer Networks, Advanced Topics in Software Development, Advanced Topics In Software Verification, Machine Learning in Computer Vision</i>	University of Belgrade, Serbia <i>Oct 2024 - Present</i>
Faculty of Mathematics <i>Master's degree in Informatics (GPA 9.71/10.0)</i> <i>Thesis title: Automatic detection and optimization of the CRC algorithm within the LLVM compiler</i> <i>Some of chosen majors: Scientific Computing, Cryptography, Software Verification, Machine Learning</i>	University of Belgrade, Serbia <i>Oct 2022 - Sep 2024</i>
Faculty of Mathematics <i>Bachelor's degree in Computer Science (GPA 9.25/10.0)</i> <i>Some of mandatory majors: Operating Systems, Computer Architecture, Database Programming, Computer Networks, Artificial Intelligence</i>	University of Belgrade, Serbia <i>Oct 2018 - Sep 2022</i>
Grammar School "Branislav Petronijević" <i>High school's diploma (GPA 5.0/5.0)</i> <i>Graduation thesis in Mathematics title: Series summation</i> <i>Officially recognized as the best student</i>	Ub, Serbia <i>Sep 2014 - Jun 2018</i>
Elementary School "Milan Munjas" <i>Elementary school's diploma (GPA 5.0/5.0)</i> <i>Officially recognized as the best student</i>	Ub, Serbia <i>Sep 2006 - Jun 2014</i>

Projects

Randomized Greedy Algorithms https://github.com/PosteruOle/randomized-greedy-algorithm	<i>Apr 2023 - Sept 2023</i>
--	-----------------------------

Implemented various graph clustering algorithms mentioned in some research paper for the purpose of Scientific Computing course.

Deep Learning Facial Expression Recognition

June 2023 - Sept 2023

https://github.com/PosteruOle/facial_expression_recognition

Used CNN and other Machine Learning models and techniques in order to predict facial expressions from a dataset of human faces.

Verification of a Compound Unit project

June 2023 - Aug 2023

https://github.com/MATF-Software-Verification/2023_Analysis_CompoundUnits

Applying tools for static and dynamic software verification on an existing project and creating report that discusses obtained results and points out on some bugs and bottlenecks in software.

Various interpreters

https://github.com/PosteruOle/various_interpreters

For the purpose of Translation of Programming Languages course I have created various interpreters that are able to process and execute commands that work with sets, graphs, matrices, stacks and queues. Some of the interpreters create Abstract Syntax Tree and traverse through AST in order to execute program commands.

1 Languages and Frameworks 2 Miscellaneous

- **Programming languages** : Python, Java, C/C++, Go, Haskell, SQL
- **Frameworks** : Tensorflow, QtCreator, .NET
- **Editors and IDEs** : Jupyter Notebook, IntelliJ IDEA, Visual Studio
- **Operating systems** : Windows, Linux
- **Interests** : Operating Systems, Computer Networks, Machine learning, Computer vision
- Scholarship for Highly Gifted Students issued by the Ministry of Education (2016-2023)
- Student Scholarship issued by the Municipality of Ub
- Member of Mensa Serbia (2016-2023)
- Participated in the Serbian National Mathematics Competition
- Volunteer at Serbia Open Tennis Tournament 2021

Language proficiencies

English	Professional working proficiency
Serbian	Native or bilingual proficiency